



## Primary care analysis: Measuring geographic access to care

### Methodology

The **primary care providers** include the provider types and specialties listed below as defined in the information systems of the Department of Labor and Industries:

#### Provider types:

- |                                    |                                   |                                 |
|------------------------------------|-----------------------------------|---------------------------------|
| <input type="radio"/> Chiropractor | <input type="radio"/> Osteopathic | <input type="radio"/> Physician |
| <input type="radio"/> Naturopath   | Physician                         | Assistant                       |
| <input type="radio"/> Nurses       | <input type="radio"/> Physician   |                                 |

#### Provider specialties:

- |   |   |   |
|---|---|---|
| <input type="radio"/> Chiropractor            | <input type="radio"/> Internal medicine       | <input type="radio"/> Sports medicine             |
| <input type="radio"/> Chiropractor/consultant | <input type="radio"/> Neurology               | <input type="radio"/> Miscellaneous non-physician |
| <input type="radio"/> Clinic                  | <input type="radio"/> Nurse ARNP              | <input type="radio"/> Miscellaneous physician     |
| <input type="radio"/> Family practice         | <input type="radio"/> Occupational medicine   | <input type="radio"/> Not applicable              |
| <input type="radio"/> General practice        | <input type="radio"/> Physical medicine/rehab |   |

The injured-workers population includes workers who:

- Have an active claim.
- Reside in the State of Washington.

Process to locate the injured worker's address in a map (geocoding injured worker's addresses):

- We used a composite address locator that uses the ESRI street address, and the ESRI zip address locators.

The process to map the location of an injured worker is as follows:

1. Residential street address, if not found, then
  - 1.1. Residential zip code, if not found, then
    - 1.1.1. Washington State mailing address, if not found, then
    - 1.1.2. Washington State mailing zip code.

Assigning a county to an injured worker's address:

- We assigned the county based on the ESRI County map and the located addresses.

Process to locate providers

- We used the same composite address locator that we used for the workers (ESRI street address, and the ESRI zip address locators).
- The process to map the location of a provider is as follows:
  1. Provider location street address, if not found, then
    - 1.1. Provider zip code.

### Need more information?

Contact: Gustavo Aviles, Research Investigator, at (360)902-6803 or e-mail [avig235@LNI.wa.gov](mailto:avig235@LNI.wa.gov) or  
Cecilia Maskell, Medical Program Specialist, at (360)902-5161 or e-mail [mili235@LNI.wa.gov](mailto:mili235@LNI.wa.gov)